

Plasmid: NFIF14B  
Amino Acids: 453

MALVRALVCCLLTAWHCRSG	20
LGLPVAPAGGRNPPPAIGQF	40
WHVTDLHLDPTYHITDDHTK	60
VCASSKGANASNPGPFGDVL	80
CDSFYQLILSAFDFIKNSGQ	100
EASFMIWTGDSPPHVPVPEL	120
STDTVINVITNMTTTIQSLF	140
PNLQVFPALGNHDYWPQDQL	160
SVVTSKVYNAVANLWKPWD	180
EEAISTLRKGGFYSSQKVTTN	200
PNLRRIISLNTNLYYGNIMT	220
LNKTDPANQFEWLESTLNNS	240
QQNKEKVYIIAHVPVGYLPS	260
SONITAMREYYNEKLIDIFQ	280
KYSDVIAGQFYGHTRDSIM	300
VLSDKKGSPVNSLFVAPAVT	320
PVKSVLEKQTNNPGIRLFQY	340
DPRDYKLLDMLQYYLNLTEA	360
NLKGESIWKLEYILTQTYDI	380
EDLQPESLYGLAKQFTILDS	400
KQFIKYNYFFVSYDSSVTC	420
DKTCKAFQICAIMNLDNISY	440
ADCLKQLYIKHNY	460

FIGURE 1

Plasmid: NFIF7A  
Amino Acids: 364

MALVRALVCCLLTAWHCRSG	20
LGLPVAPAGGRNPPPAIGQF	40
WHVTDLHLDPTYHITDDHTK	60
VCASSKGANASNPGPFGDVL	80
CDSPLYQLILSAFDFIKNSGQ	100
EASFMIWTGDSPPHVPVPEL	120
STDTVINVITNMTTTIQSLF	140
PNLQVFPALGNHDYWPQVYI	160
IAHVPVGYLPSSQNITAMRE	180
YYNEKLIDIFQKYS DVIAGQ	200
FYGHTHRDSIMVLSDKKGSP	220
VNSLFVAPAVTPVKSVLEKQ	240
TNNPGIRLFQYDPRDYKLLD	260
MLQYYLNLTEANLKGESIWK	280
LEYILTQTYDIEDLQPESLY	300
GLAKQFTILDSKQFIKYNY	320
FFVSYDSSVTCDKTCKAFQI	340
CAIMNLDNISYADCLKQLYI	360
KHNY	380

FIGURE 2

1	ATGGCGCTGGTGCGCGCACTCGTCTGCTGCCCTGCTGACTGCCCTGGCACTG	NFIF14B
1	ATGGCGCTGGTGCGCGCACTCGTCTGCTGCCCTGCTGACTGCCCTGGCACTG	NFIF7A
51	CCGCTCCGGGCCTCGGGCTGCCCGTGGCGGCCCGCAGGCGGGCAGGAATCCTC	NFIF14B
51	CCGCTCCGGGCCTCGGGCTGCCCGTGGCGGCCCGCAGGCGGGCAGGAATCCTC	NFIF7A
101	CTCCGGCGGATAGGACAGTTTTTGGCATGTGACTGACTTACACTTAGACCCT	NFIF14B
101	CTCCGGCGGATAGGACAGTTTTTGGCATGTGACTGACTTACACTTAGACCCT	NFIF7A
151	ACTTACCACATCACAGATGACCACACAAAAGTGTGTGCTTTCATCTAAAGG	NFIF14B
151	ACTTACCACATCACAGATGACCACACAAAAGTGTGTGCTTTCATCTAAAGG	NFIF7A
201	TGCAAATGCCTCCAACCCCTGGCCCTTTTGGAGATGTTCTGTGTGATTCTC	NFIF14B
201	TGCAAATGCCTCCAACCCCTGGCCCTTTTGGAGATGTTCTGTGTGATTCTC	NFIF7A
251	CATATCAACTTATTTTTGTCAGCATTTGATTTTATTAAAAAATTCTGGACAA	NFIF14B
251	CATATCAACTTATTTTTGTCAGCATTTGATTTTATTAAAAAATTCTGGACAA	NFIF7A
301	GAAGCATCTTTTCATGATATGGACAGGGGGATAGCCACCTCATGTTCTCTGT	NFIF14B
301	GAAGCATCTTTTCATGATATGGACAGGGGGATAGCCACCTCATGTTCTCTGT	NFIF7A
351	ACCTGAACTCTCAACAGACACTGTTATAAATGTGATCACTAATATGACAA	NFIF14B
351	ACCTGAACTCTCAACAGACACTGTTATAAATGTGATCACTAATATGACAA	NFIF7A
401	CCACCATCCAGAGTCTCTTTCCAAATCTCCAGGTTTTTCCCTGCGCTGGGGT	NFIF14B
401	CCACCATCCAGAGTCTCTTTCCAAATCTCCAGGTTTTTCCCTGCGCTGGGGT	NFIF7A
451	AATCATGACTATTGGCCACAGGATCAACTGTCTGTAGTCAACCAGTAAAGT	NFIF14B
451	AATCATGACTATTGGCCACAGG-----	NFIF7A
501	GTACAAATGCAGTAGCAAAACCTCTGGAAACCATGGCTAGATGAAGAAGCTA	NFIF14B
473	-----	NFIF7A
551	TTAGTACTTTAAGGAAAGGTGGTTTTTTATTTCACAGAAAGTTACAACCTAAT	NFIF14B
473	-----	NFIF7A
601	CCAAACCTTAGGATCATCAGTCTAAACACAAACTTGTACTACGGGCCCAAA	NFIF14B
473	-----	NFIF7A
651	TATAATGACACTGAACAAGACTGACCCAGCCAACCAGTTTGAATGGCTAG	NFIF14B
473	-----	NFIF7A
701	AAAGTACATTGAACAACCTCTCAGCAGAATAAGGAGAAAGGTGTATATCATATA	NFIF14B
473	-----TGTATATCATATA	NFIF7A
751	GCACATGTTCCAGTGGGGGTATCTGCCATCTTTCACAGAACATCACAGCAAT	NFIF14B
484	GCACATGTTCCAGTGGGGGTATCTGCCATCTTTCACAGAACATCACAGCAAT	NFIF7A
801	GAGAGAATACTATAATGAGAAATTGATAGATATTTTTTCAAAAATACAGTG	NFIF14B
534	GAGAGAATACTATAATGAGAAATTGATAGATATTTTTTCAAAAAGTACAGTG	NFIF7A
851	ATGTCATTGCAGGACAATTTTATGGACACACTCACAGAGACAGCATTATG	NFIF14B
584	ATGTCATTGCAGGACAATTTTATGGACACACTCACAGAGACAGCATTATG	NFIF7A
901	GTTCTTTCAGATAAAAAAAGGAAGTCCAGTAAATTTCTTTGTTTGTGGCTCC	NFIF14B
634	GTTCTTTCAGATAAAAAAAGGAAGTCCAGTAAATTTCTTTGTTTGTGGCTCC	NFIF7A

FIGURE 3

951 TGCTGTTACACCAAGTGAAGAGTGTTT TAGAAAAACAGACCAACAATCCTG NFIF14B  
 684 TGCTGTTACACCAAGTGAAGAGTGTTT TAGAAAAACAGACCAACAATCCTG NFIF7A  
 1001 GTATCAGACTGTTTTCAGTATGATCCTCGTGATTATAAATTATTGGATATG NFIF14B  
 734 GTATCAGACTGTTTTCAGTATGATCCTCGTGATTATAAATTATTGGATATG NFIF7A  
 1051 TTGCAGTATTACTTTGAATCTGACAGAGGGCGAATCTAAAGGGAGAGTCCAT NFIF14B  
 784 TTGCAGTATTACTTTGAATCTGACAGAGGGCGAATCTAAAGGGAGAGTCCAT NFIF7A  
 1101 CTGGAAGCTGGAGTATATCCTGACCCAGACCTACGACATTGAAGATT TGC NFIF14B  
 834 CTGGAAGCTGGAGTATATCCTGACCCAGACCTACGACATTGAAGATT TGC NFIF7A  
 1151 AGCCGGAAAGTTTATATGGATTAGCTAAACAATTTACAATCCTAGACAGT NFIF14B  
 884 AGCCGGAAAGTTTATATGGATTAGCTAAACAATTTACAATCCTAGACAGT NFIF7A  
 1201 AAGCAGTTTATATAAATACTACAATTACTTCTTTGTGAGTTATGACAGCAG NFIF14B  
 934 AAGCAGTTTATATAAATACTACAATTACTTCTTTGTGAGTTATGACAGCAG NFIF7A  
 1251 TGTAAACATGTGATAAGACATGTAAGGCCTTTCAGATTTGTGCAATTATGA NFIF14B  
 984 TGTAAACATGTGATAAGACATGTAAGGCCTTTCAGATTTGTGCAATTATGA NFIF7A  
 1301 ATCTTGATAAATAATTTTCCTATGCAGATTGCCTCAAACAGCTTTATATAAAG NFIF14B  
 1034 ATCTTGATAAATAATTTTCCTATGCAGATTGCCTCAAACAGCTTTATATAAAG NFIF7A  
 1351 CAACAATTACTAG NFIF14B  
 1084 CAACAATTACTAG NFIF7A

FIGURE 3 (CONT'D)

100 200 300 400 500 600 700 800 900 1000 1100 1200 1300

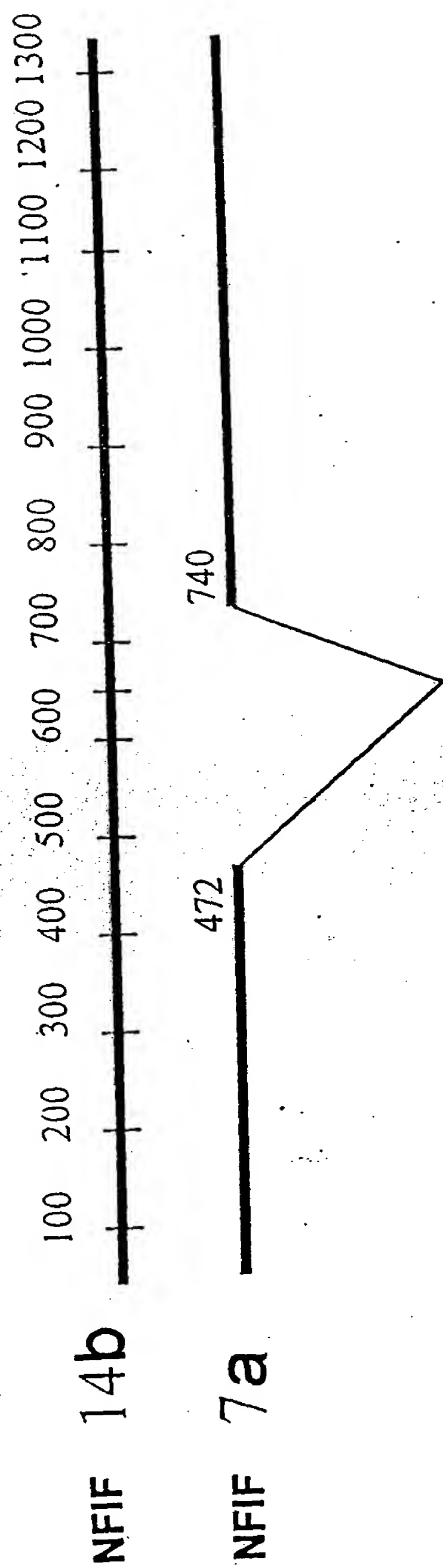
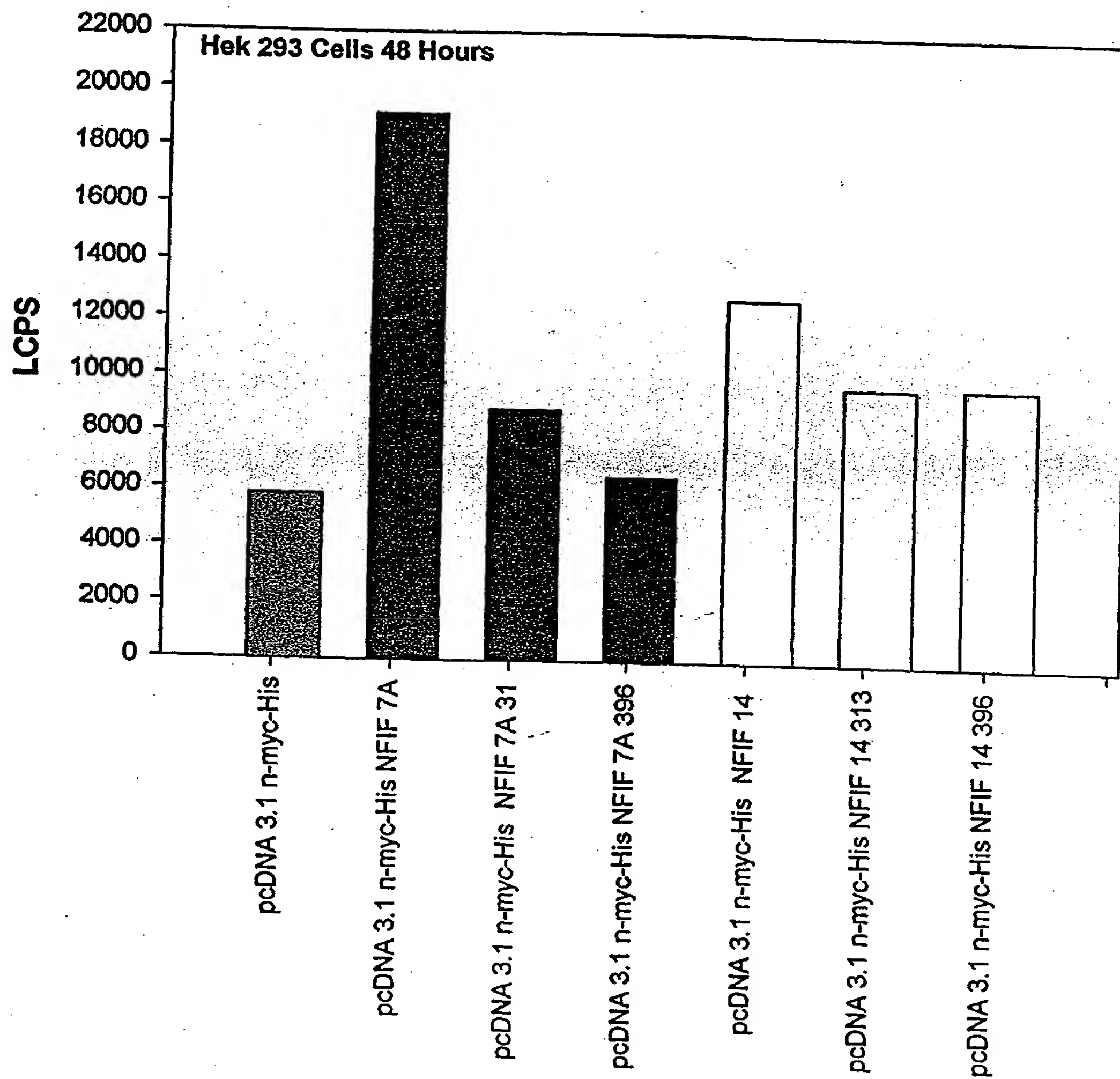


FIGURE 4

## NF $\kappa$ B Reporter with NFIF



**FIGURE 5**

## NF $\kappa$ B Reporter with NFIF

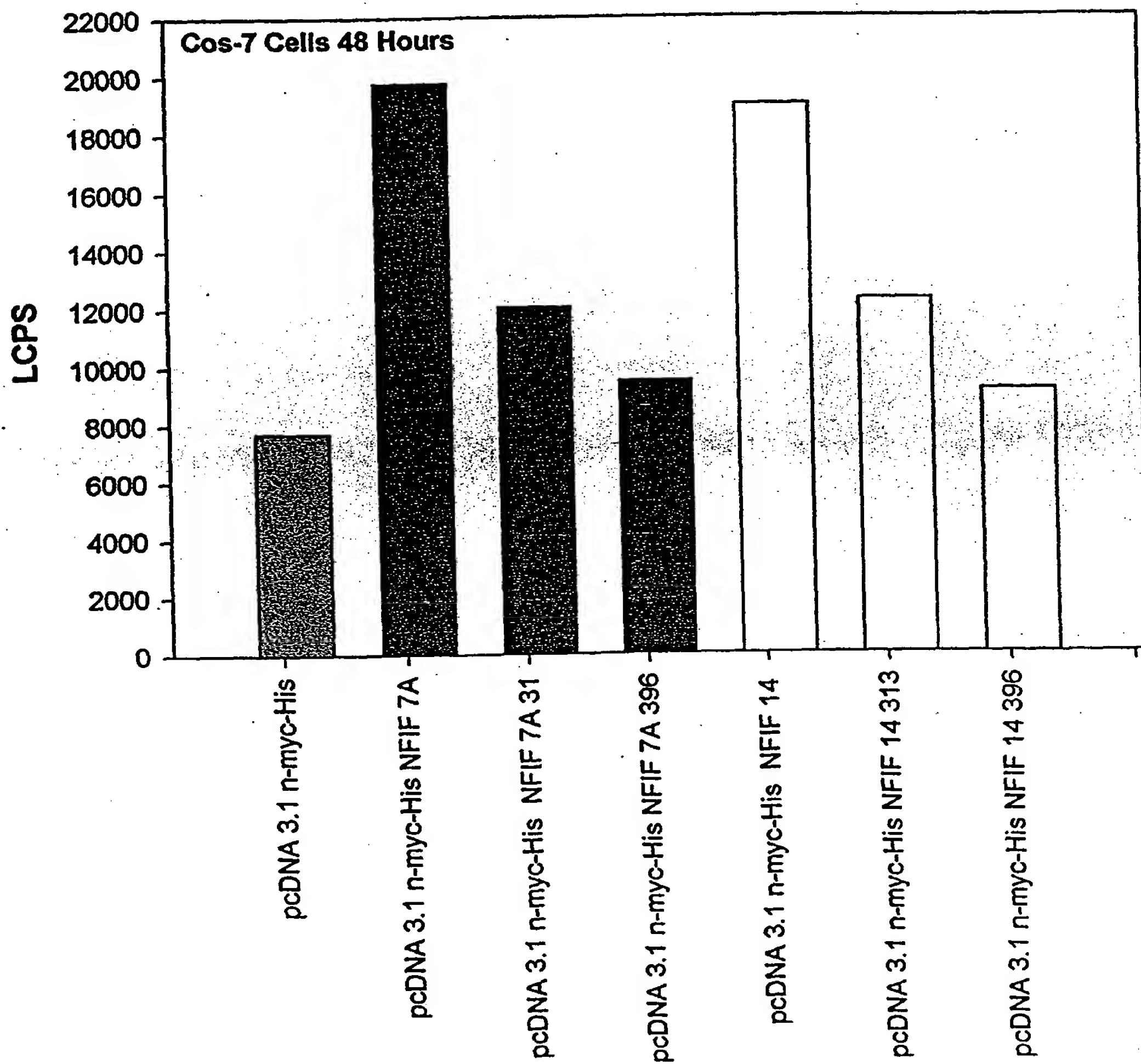


FIGURE 6

SKGANASNPFGDV

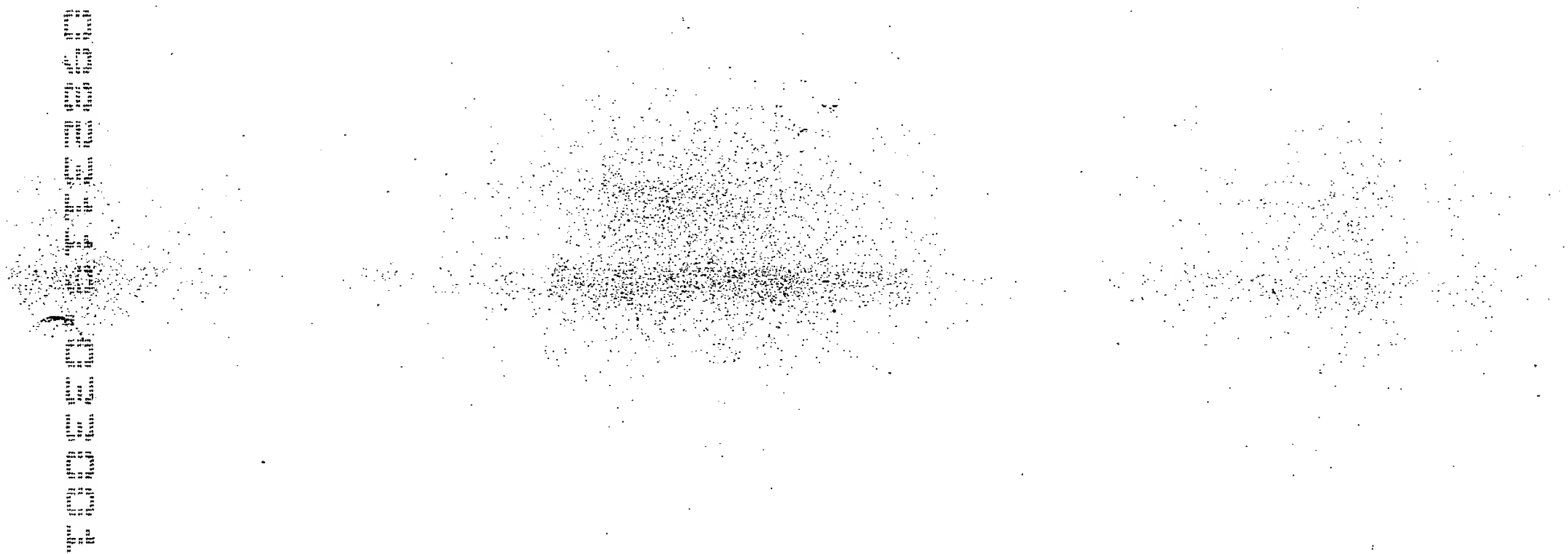


FIGURE 7



brain  
heart  
skeletal muscle  
colon  
thymus  
spleen  
kidney  
liver  
small intestine  
placenta  
lung  
pmi

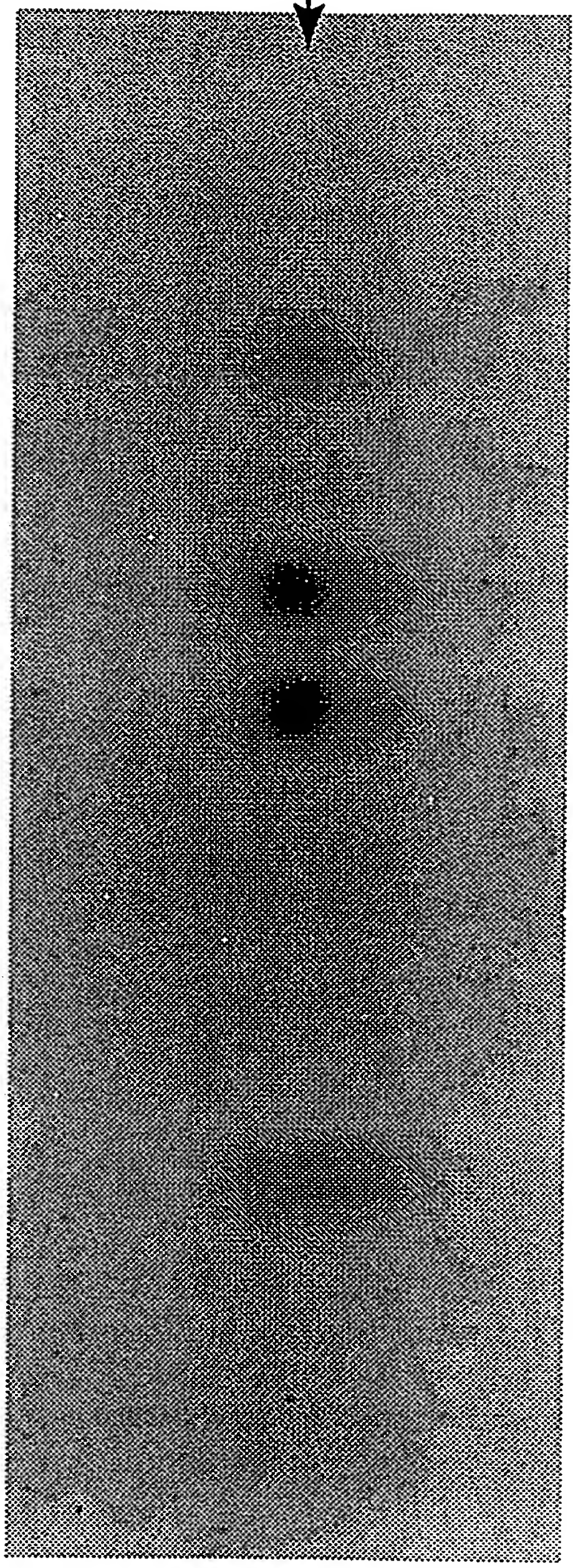


FIGURE 8